Mountain Weather Forecast

Lake District National Park

Forecast valid from 06:00 on Monday 07 Dec 2020 until 23:59 on Tuesday 08 Dec 2020

Forecast Issued on Monday 07 Dec 2020 at 02:22

Confidence: High for some brightness through Monday a period of heavy snow on Monday night. Confidence in details of the forecast decreases markedly through mid-week with some large changes possible.

Headline for Monday 07 Dec 2020: Plenty of hill fog but also some brightness. Cold with snowfall setting in much later.

Mountain weather hazards on Monday 07 Dec 2020

Blizzards No Likelihood	**Heavy Snow** No Likelihood	**Storm force winds** No Likelihood
Gales No Likelihood	**Severe chill effect** Medium Likelihood	**Poor visibility** Low Likelihood
Thunderstorms No Likelihood	**Heavy persistent rain** No Likelihood	**Strong sunlight** No Likelihood

Weather and chance of precipitation at 800m					
Time					
06:00	09:00	12:00	15:00	18:00	21:00
Partly cloudy (night)	Sunny intervals	Cloudy	Sunny intervals	Cloudy	Cloudy
Precipitation probability					
<05%	<05%	<05%	<05%	<05%	20%

Forecast for Monday 07 Dec 2020

Weather: Aside from some low level mist and fog, it will be a fine, bright start to Monday with some sunshine through the day. Feeling increasingly cold this evening in the strengthening northerly winds.

Chance of cloud free mountain/hill tops above 800m: 80% through the bulk of the day with only a few patches of cloud above 700m.

Visibility: Very good beneath the cloud. Any patches of poor visibility will be at lower levels at first this morning.

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Mountain Weather Forecast

Forecast for Monday 07 Dec 2020

Height (m)	Wind Speed mean/gusts (mph) Wind Direction (blowing from)						
	06:00	09:00	12:00	15:00	18:00	21:00	00:00
900	10/12 NE	16/19 NE	14/17 NE	15/18 N	18/22 N	20/25 NW	22/27 W
600	8/10 NE	11/15 NE	8/11 NE	11/16 N	12/18 NW	15/23 NW	18/26 W
300	4/9 NE	5/14 NE	3/11 N	6/13 N	5/15 NW	5/18 NW	7/21 W
Valley	7/11 NE	7/16 NE	5/12 NE	7/15 N	6/16 N	6/19 NW	8/21 NW

Height (m)	Temperature / Feels Like (°C)						
	06:00	09:00	12:00	15:00	18:00	21:00	00:00
900	-1/-6	-1/-8	-2/-8	-2/-8	-2/-8	-2/-9	-2/-9
600	-0/-4	-1/-6	-0/-4	-0/-5	-0/-5	-1/-6	-0/-6
300	1/-1	1/-2	2/0	2/-1	1/-1	1/-2	2/-2
Valley	4/2	4/1	5/3	4/2	4/1	3/1	4/1
Freezing Level*	500m	400m	500m	500m	600m	500m	600m

**Level above which ground is expected to be frozen/snow is expected to settle.*

Meteorologist's View

Feeling bitterly cold in the strengthening northerly wind later today.

Forecast for Tuesday 08 Dec 2020

Weather: Periods of heavy snow continuing through the early hours and first part of the morning (falling snow level rising from 400m to 800m), leaving a little patchy rain or summit snow through the rest of the day but plenty of dry weather and a gradual thaw of snow below 700m. Cloud cover will continue to be mostly extensive although some afternoon brightness is possible.

Maximum wind: Westerly 15-20mph, easing a little through the afternoon.

Chance of cloud free mountain/hill tops above 800m: 40% through afternoon as cloud tends to break, although to an uncertain extent. Otherwise closer to 20% with cloud rather extensive above 500m.

Visibility: Very variable with height, no issues at low levels but generally limited to a kilometre or so above the cloud base and often much less.

Temperature: **Valleys:** 4-6C.
At 800m: Around minus 1C.
Freezing level: 800-900m.

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Mountain Weather Forecast

Ground Conditions Supplement

Date: Sunday 6 December Location: Catstye Cam summit. Full Report: A cloudy day in the higher fells and feeling relatively mild in light NE winds. The snow line has retreated up to roughly 600m and above this, the snow is sugary and granular. Drifts are knee-deep in many places and paths at mid-altitude are also very icy where the snow has been compressed and refrozen. The summit of Helvellyn was not observed today, however, it is expected that conditions are not dissimilar to yesterday. The summit is relatively well scoured but still presents a mosaic of large areas of snow and frozen ground. Many north and east-facing scarp slopes have also been scoured and as a result, there are no significant cornices around corrie rims although wind slab is present in these locations as well as on ridge flanks. Swirral and Striding edge are both in full winter condition but have a fairly lean cover of snow along their crests which makes travel along these routes difficult. Warm and waterproof winter clothing including hat and gloves, and equipment including mountaineering boots, ice axe, crampons, map, compass, and a head torch are essential. For the climbers: Due to the NE winds we've experienced in the last few days, many of the scarp slopes which several routes finish up have very little snow cover and turf is not properly frozen. Please avoid climbing in these locations to avoid damaging the rare arctic alpine plant species that grow in these locations. Temperature: minus 0.7C. Maximum wind speed 11.3mph. Wind chill: minus 4.8C. Average wind speed: 10.0mph.

Issued at: 02:22 on Mon 07 Dec 2020

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